

## **ABSTRACT**

There is provided a system for communicating data between electronic devices that has at least one transmitter in electrical communication with a sending electronic device. The transmitter has a data sum accumulator, a transmitter identification generator, and a data buffer for creating an identification of a desired receiver from the sum of the incoming data. Furthermore, the system has at least one receiver in communication with a receiving electronic device. The receiver has a data sum accumulator, a data buffer and a receiver identification generator for creating an identification of a desired receiver from the sum of incoming data sent by the transmitter. By easily generating the identification of the receiver, it is possible to connect multiple devices without wires or complex circuitry.